

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. – 26. (Cancelled)
27. (Previously Presented) A plate material, comprising:
a plate substrate being free of protrusions and depressions of submicron order oriented in a thickness direction thereof; and
a substrate coating formed on a surface of the substrate with a paint material having affinity with respect to the substrate,
a rolling oil being used and remaining on the plate substrate,
the paint material including a coating film component,
the paint material containing an alcohol-based solvent at a content of 1 to 10 wt%,
the coating film component being a two-component resin,
the two-component resin containing aclyric and melamine.
28. (Previously Presented) The plate material recited claim 27, wherein the paint material includes a hydrophobic organic paint material.
29. (Previously Presented) The plate material recited in claim 27, wherein a surface tension of the paint material is equal to or greater than 25 and less than or equal to 35 dyn/cm.
30. (Cancelled)
31. (Previously Presented) The plate material recited in claim 27, wherein the paint material contains an alcohol-based solvent at a content of 1 to 5 wt%.
32. (Currently Amended) The plate material recited in claim [[30]]27, wherein

the alcohol-based solvent is made substantially of an alcohol having four or more carbon atoms.

33. (Previously Presented) The plate material recited in claim 27, wherein the viscosity of the paint material is equal to or greater than 5 Pa-s and less than or equal to 20 Pa-s.

34. (Previously Presented) The plate material recited in claim 27, further comprising

a hydrophilic coating made of a hydrophilic paint material is provided on a surface of the substrate coating, the substrate coating being formed with a corrosion resistant paint material and made of a hydrophobic organic compound.

35. (Previously Presented) The plate material recited in claim 34, wherein the hydrophilic paint material contains a volatile organic solvent.

36. (Previously Presented) A plate material recited in claim 34, wherein the surface of the substrate having the substrate coating has not been subjected to a chromic acid treatment.

37. (Previously Presented) The plate material recited in claim 34, wherein the surface of the substrate having the substrate coating has not been subjected to an oil removal treatment.

38. (Previously Presented) The plate material recited in claim 27, wherein the substrate is made of pure aluminum or an aluminum alloy.

39. (Previously Presented) A heat radiating fin of a heat exchanger including a plate material as recited in claim 27.

40. (Previously Presented) A plate material manufacturing method, comprising:

preparing a plate substrate being free of protrusions and depressions of submicron order oriented in a thickness direction thereof;

forming a substrate coating on a surface of the substrate with a paint material having affinity with respect to the substrate; and

forming a coating film on the plate substrate that a rolling oil being used and remaining on the plate substrate,

the paint material including a coating film component,

the paint material containing an alcohol-based solvent at a content of 1 to 10 wt%,

the coating film being a two-component resin,

the two-component resin containing aclyric and melamine,

the paint material containing an alcohol-based solvent at a content of 1 to 10 wt%.

41. (Previously Presented) The plate material manufacturing method recited in claim 40, wherein

the paint material is a hydrophobic organic paint material.

42. (Previously Presented) The plate material manufacturing method recited in claim 40, wherein

the paint material has a surface tension of 25 dyn/cm to 35 dyn/cm.

43. (Cancelled)

44. (Previously Presented) The plate material manufacturing method recited in claim 40, wherein

the paint material contains an alcohol-based solvent at a content of 1 to 5 wt%.

45. (Previously Presented) The plate material manufacturing method recited in claim 43, wherein

the alcohol-based solvent is made substantially of an alcohol having four or more carbon atoms.

46. (Previously Presented) The plate material manufacturing method recited in claim 40, wherein

the viscosity of the paint material is equal to or greater than 5 Pa-s and less than or equal to 20 Pa-s.

47. (Previously Presented) The plate material manufacturing method recited in claim 40 further comprising

providing a hydrophilic coating on a surface of the substrate coating by applying a hydrophilic paint material, the substrate coating being formed with a corrosion resistant paint material and made of a hydrophobic organic compound.

48. (Previously Presented) The plate material manufacturing method recited in claim 47, wherein

the hydrophilic paint material contains a volatile organic solvent.

49. (Previously Presented) The plate material manufacturing method recited in claim 47, wherein

the corrosion resistant paint material is applied on the substrate that has not been subjected to a chromic acid treatment.

50. (Previously Presented) The plate material manufacturing method recited in claim 47, wherein

the corrosion resistant paint material is applied on the substrate that has not been subjected to an oil removal treatment.

51. (Previously Presented) The plate material manufacturing method recited in claim 40, wherein

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the substrate is made of pure aluminum or an aluminum alloy.

52. (Previously Presented) The plate material manufacturing method recited in claim 40, further comprising forming the plate material into a heat radiating fin of a heat exchanger.